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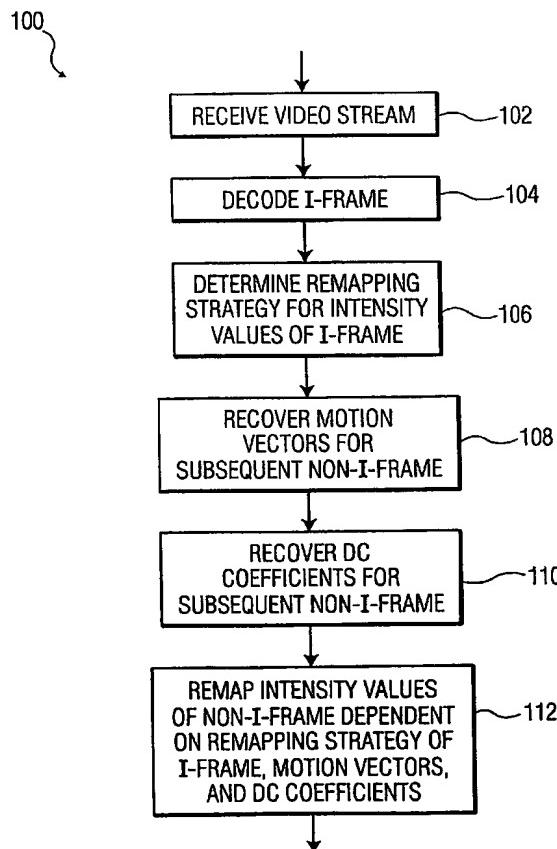
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[Continued on next page]

(54) Title: ENHANCING VIDEO IMAGES DEPENDING ON PRIOR IMAGE ENHANCEMENTS



(57) Abstract: A video stream containing encoded frame-based video information includes a first frame and a second frame. The encoding of the second frame depends on the encoding of the first frame. The encoding includes motion vectors indicating differences in positions between regions of the second frame and corresponding regions of the first frame, the motion vectors defining the correspondence between regions of the second frame and regions of the first frame. The first frame is decoded and a re-mapping strategy for video enhancement of the decoded first frame is determined using a region-based analysis. Regions of the decoded first frame are re-mapped according to the determined video enhancement re-mapping strategy for the first frame so as to enhance the first frame. The motion vectors for the second frame are recovered from the video stream and the second frame is decoded.

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